

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

AX
B1
1 (currently amended): A method of copying ~~items~~ an item implemented in a computer, the method comprising

~~creating a process if an~~ the item to be copied is a directory, spawning a new process; and

~~copying the item if the item is a file,~~ copying the file;
wherein the new process if spawned executes simultaneously or contemporaneously with a current process that performs said spawning.

2 (currently amended): The method of claim 1 further comprising:

the new process performing the act of creating or copying with another item in the directory.

3 (currently amended): The method of claim 1 further comprising, ~~after the copying~~:

the current process repeating the act of ~~creating~~ spawning or copying with another item.

4 (currently amended): The method of claim 1 further comprising, prior to the ~~creating~~ spawning:

comparing a current number of processes started for copying with a limit; and waiting if the current number is greater than or equal to the limit.

5 (currently amended): The method of claim 1 further comprising, prior to the copying:

increasing ~~from a default limit on a resource to a maximum limit for the resource~~;
and

using the resource at the increased limit during copying.

- B1
A1
- 6 (original): The method of claim 5 wherein: the resource is number of open files.
- 7 (original): The method of claim 5 wherein: the resource is file size.
- 8 (original): The method of claim 5 wherein: the resource is memory.
- 9 (original): The method of claim 8 wherein: the memory is organized as a stack.
- 10 (original): The method of claim 8 wherein: the memory is organized as a heap.
- 11 (original): The method of claim 1 wherein the copying comprises: transferring data from the file into a temporary buffer; locking the temporary buffer; and invoking a direct memory access (DMA) process for making a copy from the temporary buffer.
- 12 (original): The method of claim 1 further comprising, prior to the copying: checking if the item is a link to itself, and performing said copying only if the item is not a link to itself.
- 13 (original): The method of claim 12 wherein: the checking includes a string comparison operation.
- 14 (original): The method of claim 1 further comprising, during the copying: sending an email message if a resource at a destination is full.
- 15 (original): The method of claim 14 further comprising, during the copying: waiting to be restarted subsequent to sending the email message.
- 16 (original): The method of claim 15 wherein said waiting comprises: sending a signal to self to suspend execution.
- 17 (original): The method of claim 14 further comprising, during the copying: recopying said file from beginning, on being restarted.
- 18 (currently amended): The method of claim 14 further comprising:
identifying an email address from a password file based on an identity of a user that started the process of performing the method to perform the creating spawning or copying.
- 19 (currently amended): The method of claim 1 wherein:
said ~~creating~~ spawning is performed only if said directory is not a current directory and not a parent directory.

AI
20 (currently amended): A method of copying files implemented in a computer, the method comprising:

increasing ~~from a default limit on a resource to a maximum limit for the resource;~~
and
copying a file using the resource at the increased limit.

21 (original): The method of claim 20 wherein: said resource is one of (number of open files, file size, and memory).

22 (currently amended): A method of ~~copying~~ archiving files implemented in a computer, the method comprising:

transferring data from ~~the a file into a temporary buffer in memory;~~
~~locking the temporary buffer; and~~
invoking a direct memory access (DMA) process for ~~making a copy from copying~~
the data from the temporary buffer to another file on a storage medium used in archiving.

23 (original): The method of claim 22 further comprising, prior to the transferring: checking if the file is a link to itself; and performing said copying only if the file is not a link to itself.

24 (currently amended): A method of copying files implemented in a computer, the method comprising:

copying a file; and
sending an email message if ~~a resource at a destination is full~~ an error is encountered during copying.

25 (original): The method of claim 24 further comprising: waiting to be restarted subsequent to sending the email message.

26 (original): The method of claim 24 further comprising: identifying an email address from a password file based on an identity of a user that started the copying.

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27 (currently amended): A method of copying files, the method comprising:
starting a process for copying a file; and
receiving an email message if a resource at a destination is full an error is encountered during copying.

28 (original): The method of claim 27 further comprising: changing the resources at the destination in response to the email message; and restarting the process.

29 (currently amended): An apparatus for copying items, the apparatus comprising
means for ~~creating~~ spawning a process if an item to be copied is a directory; and
means for copying the item if the item is a file.

30 (currently amended): The apparatus of claim 29 further comprising:
means for sending an email message if a ~~destination disk is full~~ the means for copying encounters an error.

31 (original): The apparatus of claim 29 further comprising: means for increasing a limit on a resource to maximum.

32 (original): The apparatus of claim 29 wherein said means for copying comprises:
means for using a temporary buffer; and means for using direct memory access (DMA).

33 (original): The apparatus of claim 29 further comprising: means for checking if the item is a link to itself.

BPA2

34 (New): The method of Claim 1 wherein:
the process is started with an instruction to perform said method for each item in the directory.

35 (New): The method of Claim 3 wherein:
said process executes in parallel with any new process spawned by said repeating.

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36 (New): The method of Claim 3 wherein:

the number of processes created by spawning corresponds to the number of directories to be copied.

37 (New): The method of Claim 1 wherein:

the item is from a list of items to be copied; and
the method further comprises repeating the act of spawning or copying with another item from said list.

38 (New): The method of Claim 1 further comprising:

checking if the file is in a list of items to be excluded from copying; and
performing said copying only if the file is not in said list.

39 (New): The method of Claim 1 wherein:

the file is copied to multiple destinations if specified by the user.

40 (New): The method of Claim 22 further comprising:

locking the temporary buffer between the acts of transferring and invoking.

41 (New): The method of Claim 24 wherein:

the error is that a resource at the destination is full.

42 (New): The method of Claim 27 wherein:

the error is that a resource at the destination is full.

43 (New): A computer readable storage medium encoded with software, the software comprising instructions to archive an item in a computer by:

spawning a new process, if the item is a directory; and

copying the item, if the item is a file;

wherein the new process if spawned executes simultaneously or contemporaneously with a current process that performs said spawning.

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